BLAUPUNKT

# MOBILE AUDIO SYSTEMS

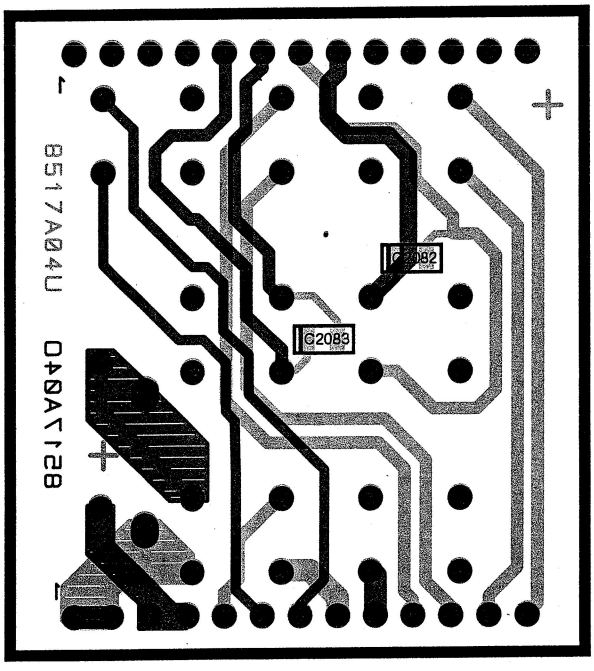
## BCA 46

7 607 005 202

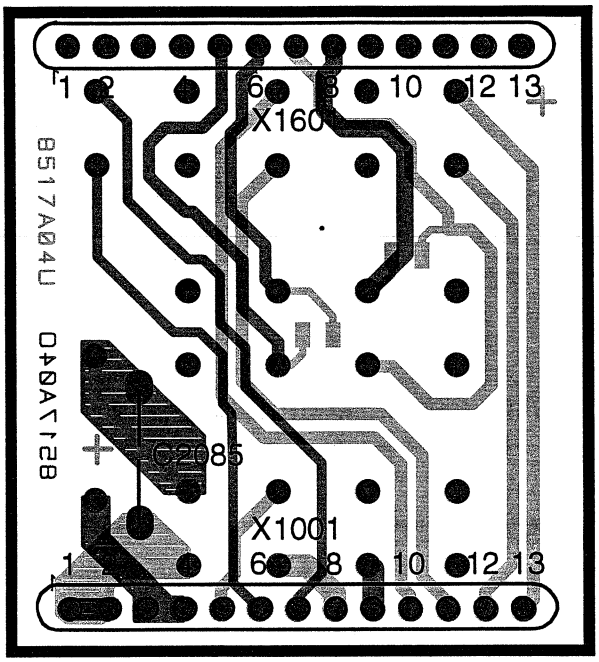
**Schaltbild • Circuit diagramm • Schema du poste • Esquema del aparato**

| (D) | (GB) | (F) | (E) |
|---|---|---|---|
| **Weitere Dokumentationen** | **Supplementary documentation** | **Documentation supplementaire** | **Documentación suplementaria** |
| Ersatzteilliste<br>8 622 400 638 | Spare parts list<br>8 622 400 638 | Liste de rechanges<br>8 622 400 638 | Lista de repuestos<br>8 622 400 638 |

## Anschlussplatte
## Connector board
**Chip unten**
**PL8517 A04**



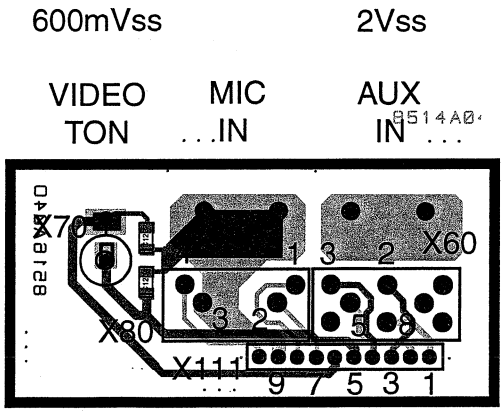
## Anschlussplatte
## Connector board
**PL8517 A04**




| X1601 |
|---|
| 6 = Speaker (R+) |
| 7 = Speaker (R-) |
| 8 = Speaker (L+) |
| 9 = Speaker (L-) |

| X1001 | |
|---|---|
| 1 = Radio - IN - R | 2Vss |
| 2 = Radio - IN - L | 2Vss |
| 3 = Remote ON - IN | |
| 4 = NF - Ground | |
| 5 = Video - Switch | |
| 6 = Video - Switch | |
| 7 = Tape - IN - R | 2Vss |
| 8 = Tape - IN - L | 2Vss |
| 9 = 12V - OUT | |
| 10+11 = 24V | |
| 12+13 = Ground | |

## Buchsenplatte
## Socket board
**PL8516 A04**




| X111 |
|---|
| 1 = 12V - OUT |
| 2 = Aux - IN - R |
| 3 = Aux - IN - GND |
| 4 = Aux - IN - L |
| 5 = Video - Ton - IN |
| 6 = Video - Ton - GND |
| 7 = Mike - ON |
| 8 = Mike - IN |
| 9 = GND |
| 10 = Mike - IN - GND |

PL106
NF-PLATTE/AF-PCB

PL517
VERSORG.-PL.
/SUPPLY-PCB

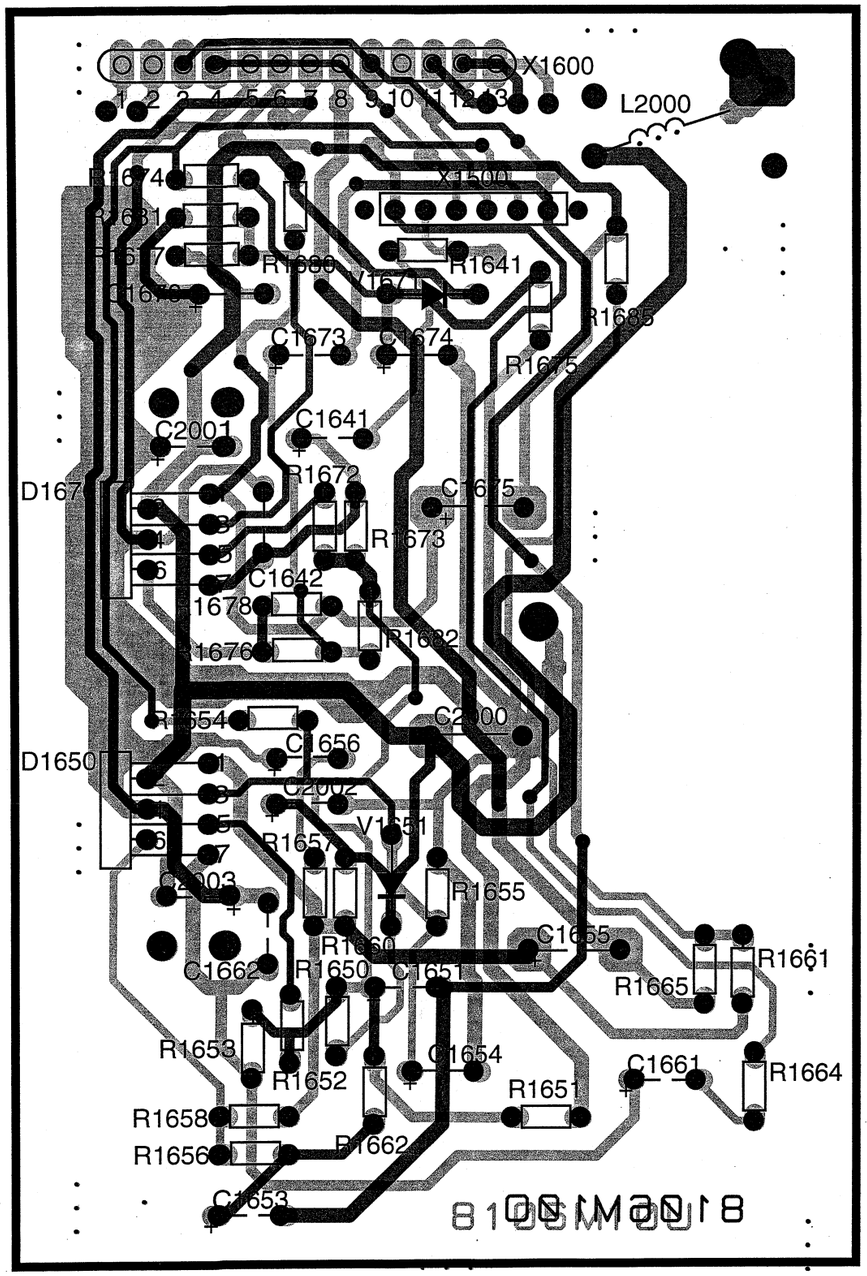
PL518
SCHALTER-PL.
/SWITCH-PCB

PL516
ANSCHL.-PL.
/CONN.-PCB

PL521
REGL-PL./REG-PCB

PL515
HAUPT-PL./MAIN-PCB

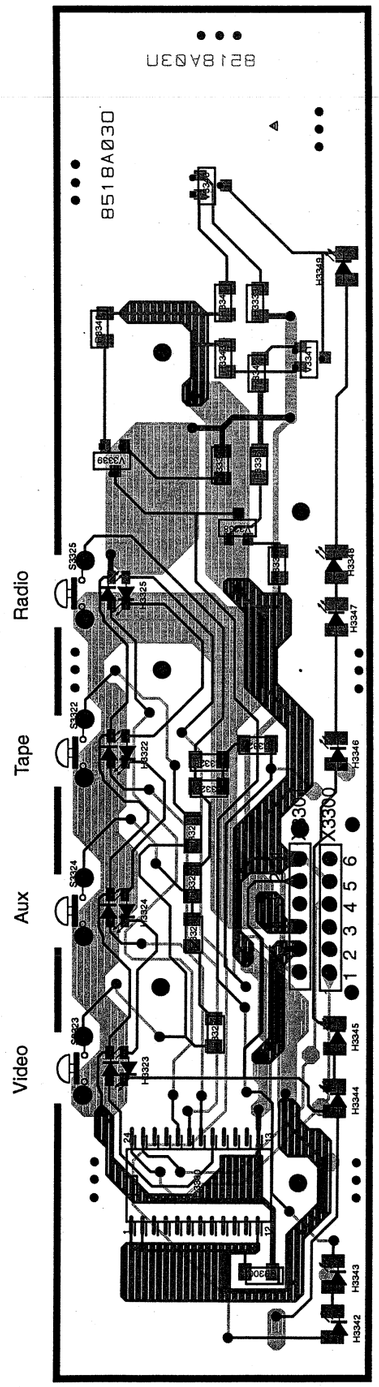
**NF-Platte**
**AF board**
**PL 8106 A10**




| X1600 |
|---|
| 4 = Line Out R |
| 6 = R |
| 7 = Ground R |
| 8 = L |
| 9 = Ground L |

| X1500 |
|---|
| 1 = NF - R |
| 2 = NF - L |
| 5 = NF-ON |
| 6 = Ground |

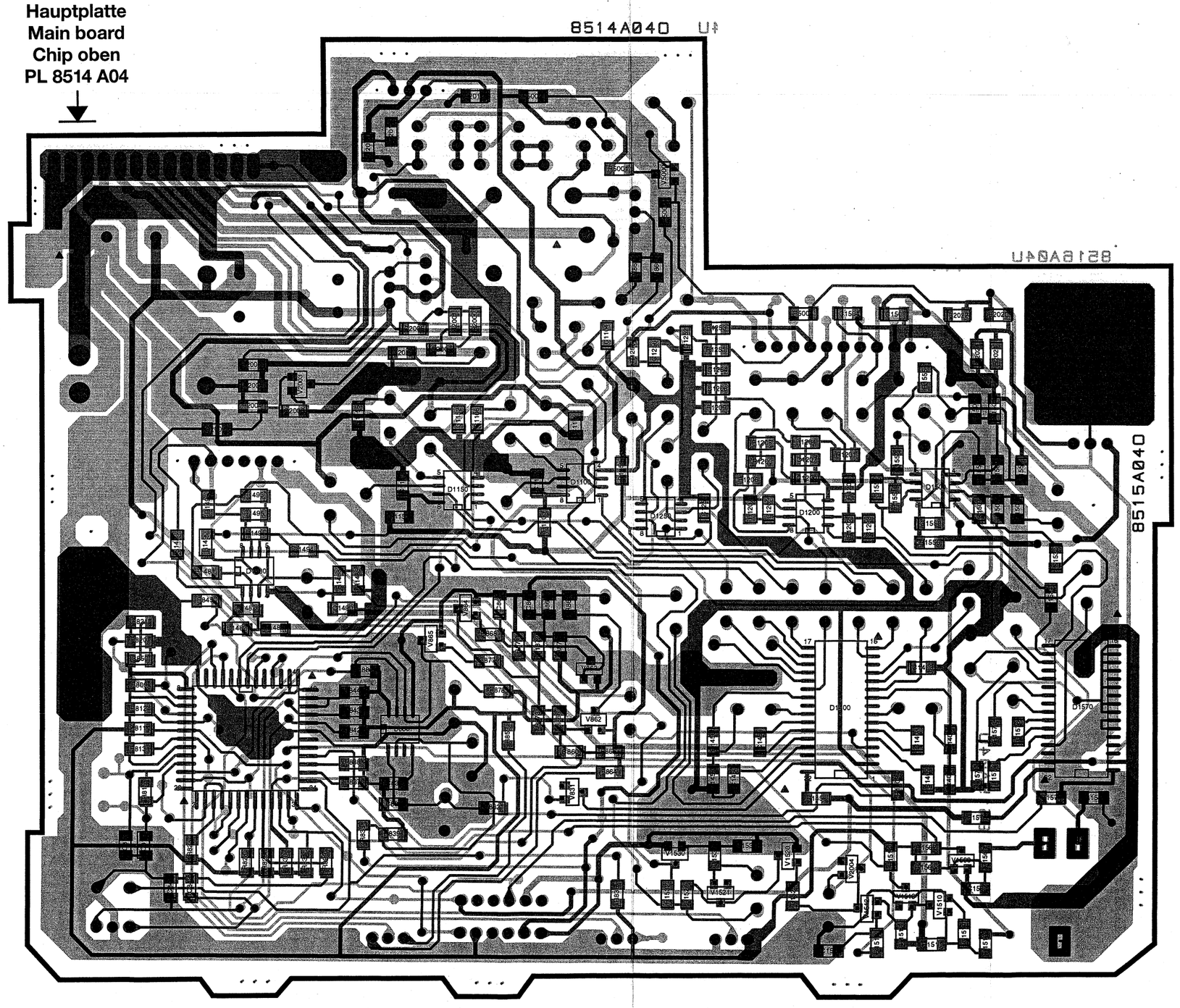
**Schalterplatte**
**Key board**
**PL 8518 A03**
**+Chip**




| X3300 |
|---|
| 1 = SCL |
| 4 = SDA |
| 5 = GND |

| X3301 |
|---|
| 1 = GND |
| 2 = U245 |
| 4 = GND |
| 5 = U5 |
| 6 = TA - C |

**Hauptplatte**
**Main board**
**Chip oben**
**PL 8514 A04**



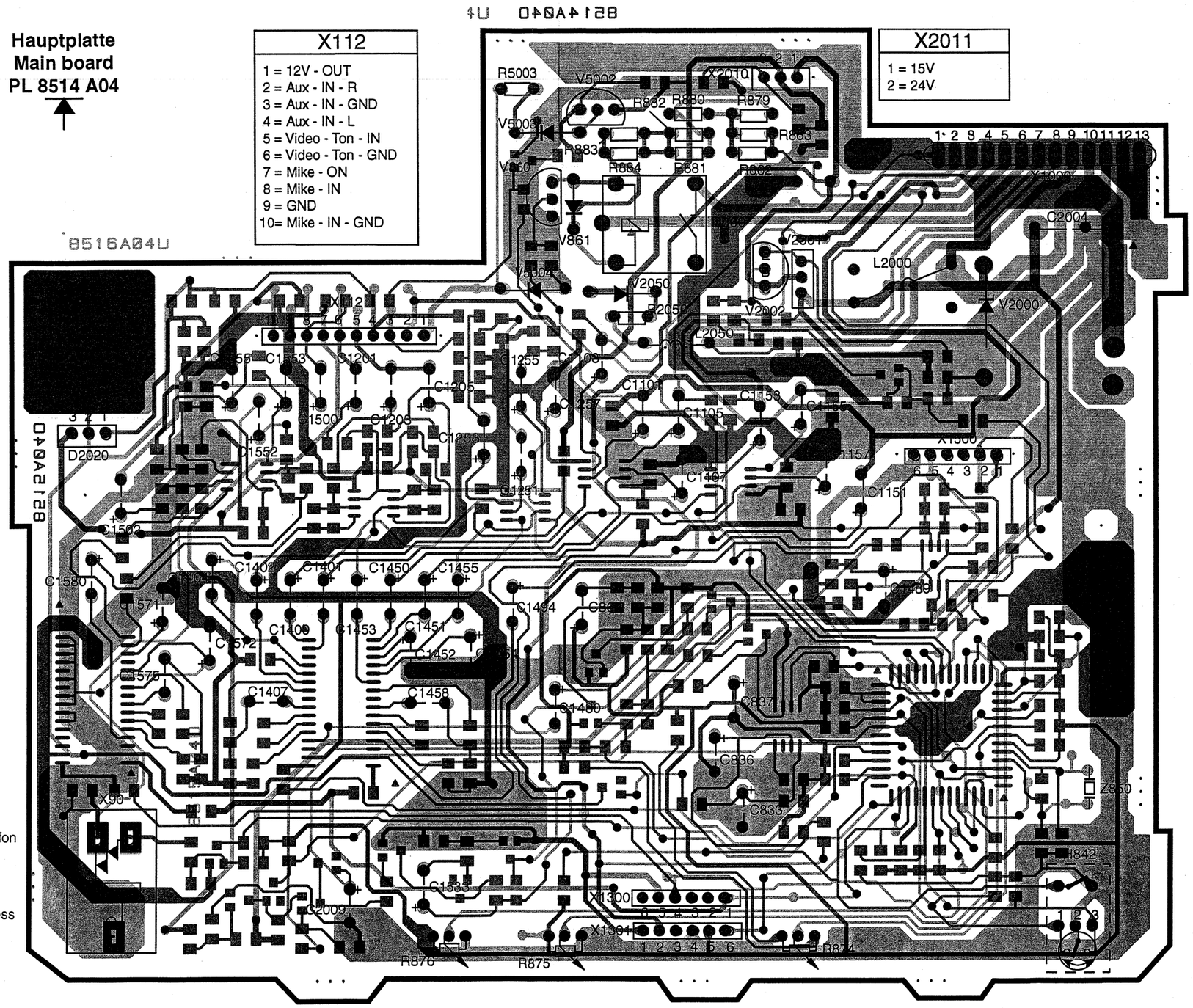
**Hauptplatte**
**Main board**
**PL 8514 A04**

| X112 |
|---|
| 1 = 12V - OUT |
| 2 = Aux - IN - R |
| 3 = Aux - IN - GND |
| 4 = Aux - IN - L |
| 5 = Video - Ton - IN |
| 6 = Video - Ton - GND |
| 7 = Mike - ON |
| 8 = Mike - IN |
| 9 = GND |
| 10= Mike - IN - GND |

| X2011 |
|---|
| 1 = 15V |
| 2 = 24V |

| X1000 | |
|---|---|
| 1 = Radio - IN - R | 2Vss |
| 2 = Radio - IN - L | 2Vss |
| 3 = Remote ON - IN | |
| 4 = NF - Ground | |
| 5 = Video - Switch | |
| 6 = Video - Switch | |
| 7 = Tape - IN - R | 2Vss |
| 8 = Tape - IN - L | 2Vss |
| 9 = 12V - OUT | |
| 10+11 = 24V | |
| 12+13 = Ground | |

| X1500 |
|---|
| 1 = NF - R |
| 2 = NF - L |
| 5 = NF - ON |
| 6 = GND |




Microfon

Hostess

| X1300 |
|---|
| 1 = SCL |
| 4 = SDA |
| 5 = GND |

| X1301 |
|---|
| 1 = GND |
| 2 = U245 |
| 4 = GND |
| 5 = U5 |
| 6 = TA - C |

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# SERVICE INFORMATION

| Nr. | MOB 1/97 |
|---|---|
| | Organisation |
| X | Werkstatt |
| X | Ersatzteildienst |
| | Verkauf |
| | Video |
| | Fernseher |
| | Mobiltelefon |
| | Autoradio |
| | Einbau |
| | Entstörung |
| X | |
| | |

# Mobile Audio / Video Systeme

Verteiler: 207, 217, 227

3646
3667

(D)

## BCA 05 - 7 607 005 200 incl. Varianten
## BCA 46 - 7 607 005 202

### Neuer Microprocessor - 8 925 901 867

In den oben angegebenen Geräten wird ein neuer Microprocessor Pos. D 800, ET Nr. 8 925 901 867 eingebaut, der die Processoren ET Nr. 8 925 901 646 und ET Nr. 8 627 003 000 ersetzt.
Im Servicefall ist **immer** die neue Version einzusetzen.

Mit der neuen Version sind alle BCA 05 Varianten MAS - tauglich.
MAS - Aktivierung: 1. Taste „COCKPIT TAPE" länger als 8 Sek. drücken.
Displayanzeige: „STOP OFF".
2. Taste „CABIN TAPE" länger als 8 Sek. drücken.
Displayanzeige: „STOP BCA".

Wenn im BCA 46 der alte Processor durch den neuen ersetzt wird, ist der SMD - Widerstand R 829 - 10 kΩ zu entfernen und in die Position R 899 einzusetzen.
Ein Startup ist dann nicht mehr erforderlich.

Hinweis: Diese TI ersetzt TI 8/96.

(GB)

## BCA 05 - 7 607 005 200 (incl. all versions)
## BCA 46 - 7 607 005 202

### New microprocessor - 8 925 901 867

Instead of the microprocessors 8 925 901 646 and 8 627 003 000, a new microprocessor position D 800, part number 8 925 901 867 will be installed in the devices mentioned above.
Make sure that **only** the new version is used for servicing.

By installing the new microprocessor all BCA 05 versions will support MAS-operation.
Activation of MAS: 1. Press button „COCKPIT TAPE" and hold it down longer than 8 seconds.
Display: „STOP OFF".
2. Press button „CABIN TAPE" and hold it down longer than 8 seconds.
Display: „STOP BCA".

If the new microprocessor is installed in the BCA 46 model, the SMD resistor R829 of 10 kΩ has to be removed and to be installed at the position R 899.
In this case a start-up process is no longer required.

Note: This information replaces the information 8/96.

**BLAUPUNKT-WERKE GMBH • Hildesheim**
Kundendienst
**Kommunikationserzeugnisse**

**Sachbearbeiter:** K7/VKD11-So
(28.02.97)
**Tel.: (05121) 49** 4046

(F)

## BCA 05 - 7 607 005 200 et ses variantes
## BCA 46 - 7 607 005 202

## Nouveau microprocesseur - 8 925 901 867

Un nouveau microprocesseur, pos. D 800, n° de pièce de rechange 8 925 901 867 sera installé dans les appareils ci-dessus mentionnés. Ce processeur remplacera les processeurs avec les n° de pièce de rechange 8 925 901 646 et 8 627 003 000.

En cas de réparation, installer toujours la nouvelle version.

Par l'installation de la nouvelle version, toutes les variantes du BCA 05 sont aptes à MAS.

Activation MAS:
1. Appuyer sur la touche „COCKPIT TAPE" pendant plus de 8 secondes. „STOP OFF" s'inscrit sur l'afficheur.
2. Appuyer sur la touche „CABIN TAPE" pendant plus de 8 secondes. „STOP BCA" s'inscrit sur l'afficheur.

En cas de remplacement du processeur dans le BCA 46 par la nouvelle version, enlever la résistance des particules montées en surface R 829 - 10 kohms et la insérer dans la position R 899.
Dans ce cas, un lancement n'est plus nécessaire.

Note: Cette information technique remplace celle de 8/96.

(E)

## BCA 05 - 7 607 005 200 (incl. otras versiones)
## BCA 46 - 7 607 005 202

## Nuevo microprocesador - 8 925 901 867

En los equipos mencionados arriba se utiliza un nuevo microprocesador, posición D 800, número de pedido 8 925 901 867, que sustituye a los procesadores 8 925 901 646 y 8 627 003 000.

En caso de servicio, siempre utilizar la versión nueva.

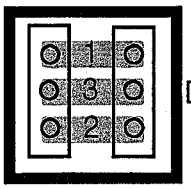
Con el cambio a la nueva versión todas las versiones BCA 05 serán aptas para el servicio multi-canal MAS.

Activación MAS:
1. Pulsar la tecla „COCKPIT TAPE" por más de 8 segundos. Indicación en el display: „STOP OFF".
2. Pulsar la tecla „CABIN TAPE" por más de 8 segundos. Indicación en el display: „STOP BCA".

Al sustituir el microprocesador antiguo en el BCA 46, será necesario remover el resistor SMD R 829 de 10 kΩ y aplicarlo en la posición R 899.
En este caso ya no será necesario el proceso de inicialización (startup).

Nota: Esta información de servicio sustituye a la información de 8/96.

**Regulatorplatte**
**PL8521 A04**




D2010

X2011

| X2011 |
| --- |
| 1 = 15V<br>2 = 24V |

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# MOBILE AUDIO SYSTEMS

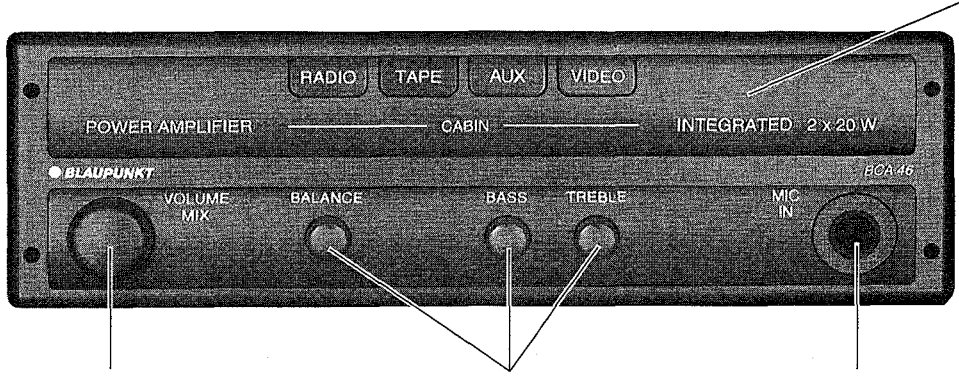
BLAU-03649

## BCA 46

7 607 005 202

K7/VKD 8 622 400 638 Sa 03/96

**Ersatzteilliste • Spare Parts List • Liste de rechanges • Lista de repuestos**




**ME 3401**
**8 636 593 038**

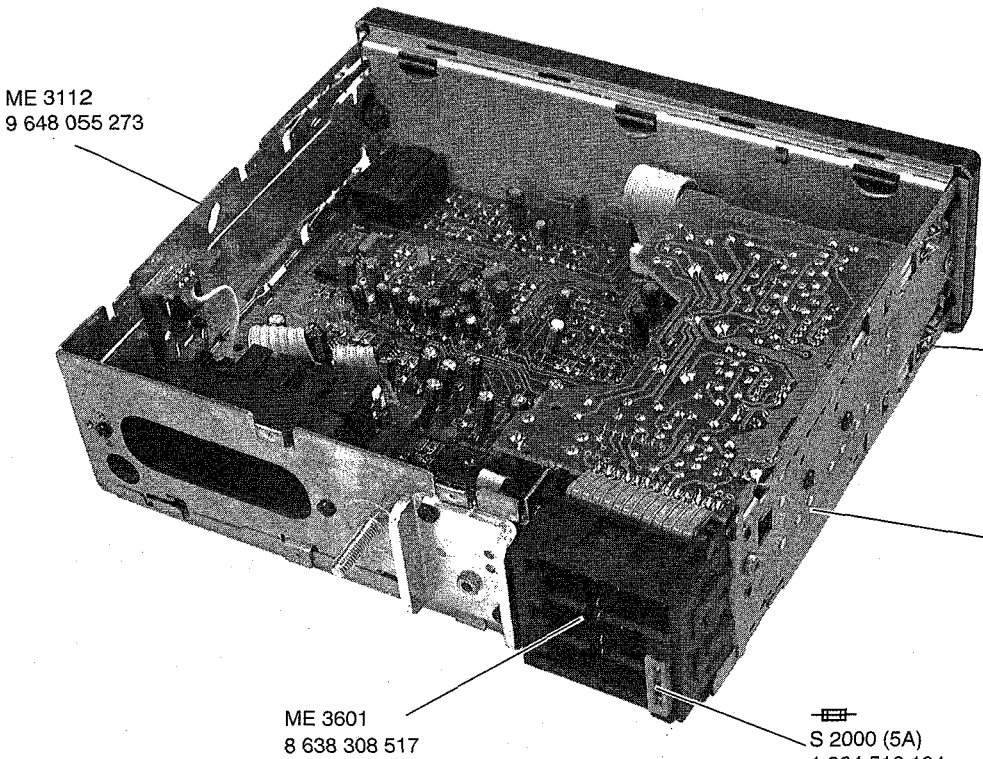
**ME 3402**
9 648 053 786

H 841
9 648 059 044

**ME 3403**
9 648 050 723

R 874 / R 875 / R 876
9 648 059 043

**ME 3302**
8 638 801 081



ME 3112
9 648 055 273

ME 3510 (2x)
9 648 055 090

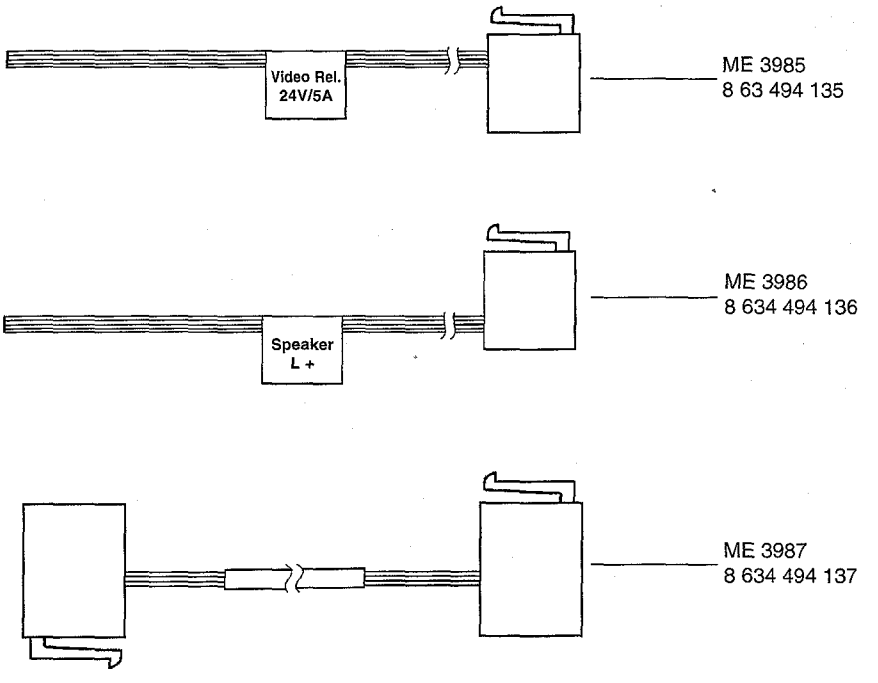
ME 3110
8 635 123 029

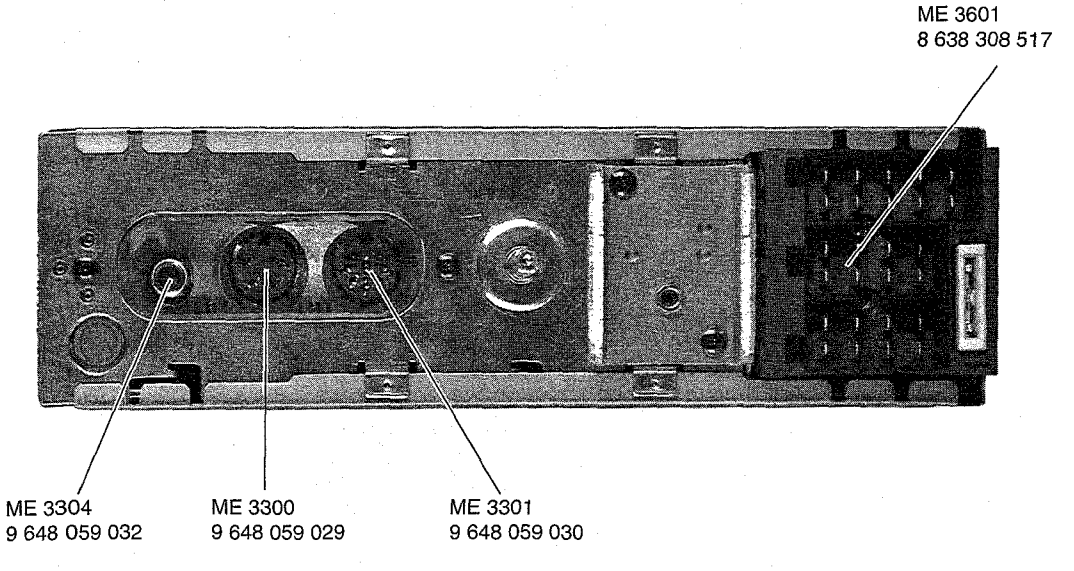
ME 3601
8 638 308 517

S 2000 (5A)
1 904 516 104

## Mechanische Bauteile
## Composants mécaniques
## Mechanical components
## Piezas mecánicos

| | (D) | (GB) | (F) | (E) | |
|---|---|---|---|---|---|
| ME 3101 | DECKEL (OBEN-UNTEN) | HOUSING COVER | COUVERCLE DE BOIT. | TAPA DEL CARTER | 8 635 132 602 |
| ME 3992 | DEMONTAGEBUEGEL | DISMANTLING AID | ETRIER DE DEMONT. | ESTRIBO DE DESMONT | 8 601 910 002 |
| ME 3983 | HALTERAHMEN | FRAME | CADRE SUPPORT | MARCO DE FIJACION | 8 601 310 555 |



| Position<br>Position<br>Position<br>Posición | Bezeichnung<br>Designation<br>Dénomination<br>Denominación | | Bestell-Nr.<br>Part no.<br>No. de commande<br>Número de pedido |
|---|---|---|---|
| | | | |
| C 2004 | 2200 µF 35/40V | | 9 931 054 007 |
| | | | |
| D 800 | MC 68HC05B16 | | 8 925 901 646 |
| D 830 | L 4949 | | 8 925 900 348 |
| D 1100 | BA 3121 | | 8 925 901 034 |
| D 1150 | BA 3121 | | 8 925 901 034 |
| D 1200 | MC 33078 | | 8 925 900 225 |
| D 1250 | BA 3121 | | 8 925 901 034 |
| D 1400 | TEA 6320 | | 8 925 901 095 |
| D 1480 | MC 33078 | | 8 925 900 225 |
| D 1500 | MC 33078 | | 8 925 900 225 |
| D 1570 | TEA 6320 | | 8 925 901 095 |
| D 1650 | TDA 2052 | | 9 934 051 082 |
| D 1670 | TDA 2052 | | 9 934 051 082 |
| D 2010 | LM 317 T | | 8 945 901 736 |
| D 2020 | LM 317 T | | 8 945 901 736 |
| D 3300 | SAA 1064 | | 8 925 901 092 |
| | | | |
| H 3322-<br>H 3325 | LSY T670 K | | 8 925 405 458 |
| H 3342-<br>H 3349 | LYT 670 | | 8 925 405 161 |
| | | | |
| H 841 | VOLUME | | 9 648 059 044 |
| | | | |
| K 860 | | | 8 948 100 048 |
| | | | |
| L 2000 | | | 8 948 411 066 |
| L 2050 | | | 9 935 050 152 |
| | | | |
| R 874 | 100 kΩ | BALANCE | 9 648 059 043 |
| R 875 | 100 kΩ | BASS | 9 648 059 043 |
| R 875 | 100 kΩ | TREBLE | 9 648 059 043 |
| R 2050 | 13 Ω | | 8 921 351 000 |
| R 5003 | 13 Ω | | 8 921 351 000 |
| | | | |
| S 3322-<br>S 3325 | | | 8 638 800 167 |
| | | | |
| V 831 | BAL 99 | | 8 925 405 137 |
| V 860 | BC 548 C | | 9 933 051 106 |
| V 861 | 1 N 4148 | | 8 925 405 822 |
| V 862 | BC 848 C | | 8 925 705 037 |
| V 863 | BC 858 C | | 8 925 705 039 |
| V 864 | BC 848 C | | 8 925 705 037 |

| Position<br>Position<br>Position<br>Posición | Bezeichnung<br>Designation<br>Dénomination<br>Denominación | Bestell-Nr.<br>Part no.<br>No. de commande<br>Número de pedido |
|---|---|---|
| V 865 | BC 848 C | 8 925 705 037 |
| V 1510 | BC 848 C | 8 925 705 037 |
| V 1512 | BAV 70 | 8 925 405 122 |
| V 1513 | BAL 99 | 8 925 405 137 |
| V 1520 | BC 848 C | 8 925 705 037 |
| V 1521 | BAL 99 | 8 925 405 137 |
| V 1530 | BC 848 C | 8 925 705 037 |
| V 1560 | BC 848 C | 8 925 705 037 |
| V 1651 | 1 N 4148 | 8 925 405 822 |
| V 1671 | 1 N 4148 | 8 925 405 822 |
| V 2000 | BYW 95 B | 9 932 051 021 |
| V 2001 | BD 442 | 8 945 706 044 |
| V 2002 | BC 327-25 | 8 925 707 476 |
| V 2003 | BC 846 B | 8 925 705 271 |
| V 2004 | BAL 99 | 8 925 405 137 |
| V 2050 | 1 N 4002 | 8 905 405 636 |
| V 3338 | BC 846 B | 8 925 705 271 |
| V 3339 | BC 846 B | 8 925 705 271 |
| V 3340 | BC 846 B | 8 925 705 271 |
| V 3341 | BC 846 B | 8 925 705 271 |
| V 5000 | BC 848 C | 8 925 705 037 |
| V 5002 | BC 369 | 8 925 705 304 |
| V 5003 | 1 N 4002 | 8 905 405 636 |
| V 5004 | 1 N 4002 | 8 905 405 636 |
| | | |
| Z 850 | 4 MHz | 9 939 050 237 |

**Hinweis:**
Handelsübliche Kondensatoren und Widerstände sind in der Ersatzteilliste nicht aufgeführt. Wir bitten Sie, diese Teile im Fachhandel zu beziehen.

**Nota:**
Des condensateurs et résistaces commerciaux ne sont pas inclus dans la liste des pièces détachées. Veuillez acheter ces pièces chez votre spècialiste.

**Note:**
Capacitors and resistors usual in trade are not mentioned in the spare parts list. Kindly buy these parts from the specialized trade.

**Nota:**
No se indican en la lista de piezas de requestos los condensatores y los resistores de uso comercial. Les rogamos comprar esas piezas en el comercio especializado.